

Chapter 3 Preview
Equations and Inequalities
Integrated Math 2

Name _____

Date _____

Definitions: Define the following terms

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|--|---|
| 1. Equation | 14. Proportion |
| 2. True equation | 15. Means |
| 3. False equation | 16. Extremes |
| 4. Open sentence | 17. Cross-products |
| 5. Solution of the equation | 18. Inequality |
| 6. Formula | 19. False inequality |
| 7. Addition property of equality | 20. True inequality |
| 8. Multiplication property of equality | 21. Open inequality |
| 9. Model | 22. Solution of the inequality |
| 10. Mathematical model | 23. Solve an inequality |
| 11. Algebraic model | 24. Addition property of inequality |
| 12. Rule | 25. Multiplication property of inequality |
| 13. Two-step equation | 26. Inverse of an operation |

You *should* be able to do the following objectives:

1. Determine if a number is a solution of an equation
2. Solve an equation or formula
3. Solve one-step equations
4. Solve formulas for a given variable
5. Create a mathematical model to describe a situation
6. Solve two-step equations and formulas
7. Write and solve proportions
8. Determine if a number is a solution of an inequality
9. Graph the solution of an inequality on a number line
10. Solve and graph inequalities on a number line
11. Solve problems involving inequalities
12. Solve problems involving squares
13. Solve problems involving square roots

If you can give a good definition for each term without having to look it up, then you should be ready to identify these terms for the test. If you can describe a method as to how to perform each of the objectives, then you should be ready to perform these tasks on the test. If there are any terms or objectives that you are unsure about, then these are the things you want to take extra time studying.

Check the class wiki for wiki summary assignments.